

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE 2004/000255

## A. CLASSIFICATION OF SUBJECT MATTER

IPC7: B66C 1/12, F16G 15/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: B66C, F16G

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5732545 A (FREDRIKSSON), 31 March 1998 (31.03.1998), figure 4	1-4,7-10
Y	--	1-4,7-10
Y	DE 4239482 A1 (RUD-KETTENFABRIK RIEGER & DIETZ GMBH U. CO.), 26 May 1994 (26.05.1994), figures 1-6	1-4,7-10
A	DE 3922304 A1 (HUBERT WALTERMANN, EISENWARENFABRIK UND GESENKSCHMIEDE GMBH & CO.), 8 February 1990 (08.02.1990), figures 1,2	1-10
	--	

☒ Further documents are listed in the continuation of Box C.☒ See patent family annex.

\* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

22 June 2004

Date of mailing of the international search report

28-06-2004

Name and mailing address of the ISA/  
Swedish Patent Office  
Box 5055, S-102 42 STOCKHOLM  
Facsimile No. +46 8 666 02 86

Authorized officer

Lena Nilsson / JA A  
Telephone No. +46 8 782 25 00

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE 2004/000255

## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	GB 2127129 A (WHEWAY WATSON HOLDINGS LIMITED), 4 April 1984 (04.04.1984), figures 1,2  --	1-10
A	WO 0221014 A1 (RUD-KETTENFABRIK RIEGER & DIETZ GMBH U. CO.), 14 March 2002 (14.03.2002), figures 1,2  -- -----	1-10

**INTERNATIONAL SEARCH REPORT**  
Information on patent family members

30/04/2004

International application No.  
PCT/SE 2004/000255

US	5732545	A	31/03/1998	AT	219028	T	15/06/2002
				AU	1216997	A	17/07/1997
				DE	69621824	D,T	12/12/2002
				EP	0868384	A,B	07/10/1998
				SE	505971	C	27/10/1997
				SE	9504631	A	23/06/1997
				WO	9723403	A	03/07/1997

---

DE	4239482	A1	26/05/1994	NONE
----	---------	----	------------	------

---

DE	3922304	A1	08/02/1990	DE	8809929	U	20/10/1988
				FR	2635158	A,B	09/02/1990
				GB	2221742	A,B	14/02/1990
				GB	8917259	D	00/00/0000
				IT	1230413	B	21/10/1991
				IT	8921417	D	00/00/0000
				SE	467706	B,C	31/08/1992
				SE	8902596	A	05/02/1990

---

GB	2127129	A	04/04/1984	GB	8325051	D	00/00/0000
----	---------	---	------------	----	---------	---	------------

---

WO	0221014	A1	14/03/2002	DE	10044531	A	08/05/2002
				EP	1315919	A	04/06/2003

---